



Archatrak

CATALOG

BRING AMENITY & STYLE TO
OUTDOOR SPACES WITH
PORCELAIN PAVER AND DECK
SUPPORT SYSTEMS

DECK AND PAVER SYSTEMS

Deck and paver systems for both commercial and residential applications, designed to address the broadest range of site conditions and performance requirements across rooftop, balcony and on-grade applications.

ROOFTOP DECKS

Porcelain paver and structural wood tile decking systems, compatible with waterproof roof membranes, designed to accommodate sloping substrates, surface drains and rooftop infrastructure. Perfect for restaurants, amenity decks, and residential patios. Solutions available for specialized site requirements including wind uplift mitigation, totally non-combustible decks and integration with green roof systems.



LOCATION: WASHINGTON, DC
PRODUCT: AVORIO AND SLAVONIA PORCELAIN PAVERS

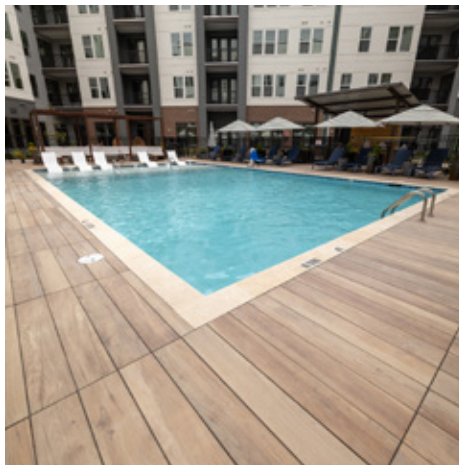
BALCONY FLOORS

Porcelain paver and structural and interlocking Ipe wood tile systems for low height balcony floor applications. Paver support options include stackable rubber pads, adjustable height pedestals and aluminum rails, accommodating door thresholds, railings, and different perimeter conditions.



ON-GRADE PAVING

Porcelain paver systems for on-grade applications including patios, driveways, plazas, pools, and walkways that combine exceptional style with long-term durability and low maintenance. Available in a broad range of styles including stone and wood looks, terrazzo, quartzite and cobblestone.



PAVER SUPPORT SYSTEMS

Paver support systems that provide the foundation for elevated decks and flooring on rooftops, terraces and balconies. Components include fixed-height rubber pads, adjustable-height pedestals, non-combustible steel pedestals, aluminum rail systems, FRP grating panels and steel protection plates.



| PORCELAIN PAVERS



'EVOKE SAND' PORCELAIN PAVERS

Porcelain pavers are unique in their ability to faithfully simulate the look of almost all other paving materials, including natural stone, wood, terracotta and cement, in precise detail with exceptional depth of color and subtle variations in shade and tone. From chunky 4" square cobblestone blocks to narrow planks and massive 48" × 96" slabs, all porcelain pavers feature outstanding resistance to staining, fading, moss and mildew and freeze/thaw cracking.

STRUCTURAL PORCELAIN PAVER THICKNESS OPTIONS

T20 | 2cm thick

On-grade landscaping and elevated decks (pedestal heights over 4" may require break-through protection sheets)



T30 | 3cm thick

Commercial elevated decks or on-grade applications (light to medium vehicular traffic)

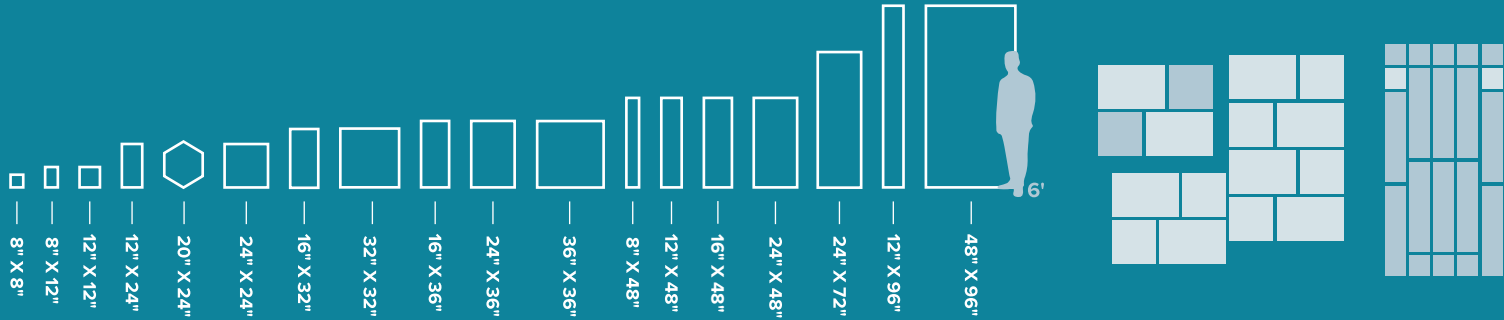


T50 | 5cm thick

On-grade projects like plazas, walkways and lanes subject to vehicular traffic



PORCELAIN PAVER SIZES



Although 24" x 24" remains our most commonly requested paver size, we can supply pavers in a multitude of shapes and sizes, including hexagons, 8" x 8" or 8" x 12" rustic-style cobblestones, planks 8", 12" or 16" wide and up to 72" long, and ¾" thick slabs up to 48" x 96".

A broad range of laying options are possible with porcelain pavers depending on the paver size, thickness, substrate and anticipated traffic.

COMMON PORCELAIN PAVER LAYING OPTIONS

- Rooftop decks supported with adjustable height pedestals
- Loose laid over sand or gravel
- Set among grass as 'stepping stones' or garden pathways
- Mortar set over a concrete base for vehicular applications
- Flooring for self-contained modular decks like our StreetDeck parklets.

For rooftop deck applications, narrow format porcelain planks (8" or 12" wide) are typically laid over pedestal-supported, aluminum beams that simplify installation and reduce the number of pedestal supports required.

Porcelain planks supported by our elevated rail system



STRUCTURAL IPE TILES

Our Structural Ipe Wood Tiles are specifically designed for installation with adjustable height pedestals, offering a much simpler, quicker and more cost-effective means of building a perfectly level, solid wood rooftop deck, eliminating the need for traditional support beams. These heavy-duty commercial grade tiles are constructed with 1 ¾" thick Ipe wood slats screwed to three solid wood support battens with stainless steel screws, creating a tile with outstanding strength, durability and resistance to flexing. We exclusively use Ipe wood due to its exceptional durability, hardness, scratch resistance and weathering properties.

Structural Ipe tiles are available in two sizes: 24" × 24" & 24" × 48". These sizes exactly match our porcelain paver sizes, enabling deck layouts with a combination of both materials.

For each Ipe tile sold, we currently donate a portion of the proceeds to Trees of the Future, a non-profit organization working to help communities thrive with sustainable land use.



INTERLOCKING IPE TILES

Our Interlocking Ipe Wood Tiles are constructed with $\frac{3}{4}$ " Ipe wood slats screwed to a plastic mesh base. Tabs on all sides enable the tiles to be quickly and easily snapped together, precisely spaced and aligned, over any hard surface, creating an instant, natural wood outdoor floor. The open mesh base ensures any water flows away freely under each tile.

Clip on transition pieces are available to provide a sloping transition to the substrate. Double-C tiles can be placed side by side to effectively create a module 24" x 24" size or you can create different patterns by combining with Colorado or Sierra 12" x 12" tiles.

Please be aware that Interlocking Ipe Wood Tiles are NOT designed for use with either fixed height pads or adjustable height pedestals. They must always be laid on a smooth, firm base such as concrete. Their primary use is for resurfacing old, stained or cracked concrete on patios, balconies, terraces, pathways, etc.

INTERLOCKING IPE WOOD TILES STYLES & SIZES

COLORADO
12" x 12"



SIERRA
12" x 12"



DOUBLE - C
12" x 24"



**EDGE
PIECES**



COLORADO
IPE WOOD TILE

DECK SUPPORTS

'PRIME' ADJUSTABLE HEIGHT PEDESTALS

PR1

1 ¼" - 2 ½"



PR2

2 ½" - 6"



PR3

6" - 16 ½"



'PRIME' ADJUSTABLE HEIGHT PEDESTALS

For deck elevations above 1 ¼", adjustable height pedestals can be used. Our 'Prime' polypropylene pedestal features a concentric screwed central column, soft rubber head, inbuilt spacer tabs, automatic slope compensation up to 5° and top-down height adjustment with the aid of a special tool. This exceptionally versatile pedestal covers the range 1 ¼" to 16 ½" with just three pedestal models, compared with up to six models needed with other screwjack type pedestals. Extension elements 7 ½" tall can be added to the PR3 pedestals where higher elevations are required.

FIXED HEIGHT RUBBER PADS

Where porcelain or concrete pavers require elevation by less than 1 ¼", we recommend using our stackable fixed height rubber pads which incorporate inbuilt spacer tabs. These pads offer

superior sound absorption, shock protection and slip resistance between the pavers, the pads and the substrate, compared with using plastic pads.

RUBBER PAD SIZES

ETE-PAD10

¾" high × 4 ⅝" dia.



ETE-PAD6

¼" high × 4 ⅝" dia.



LGH2 SHIM

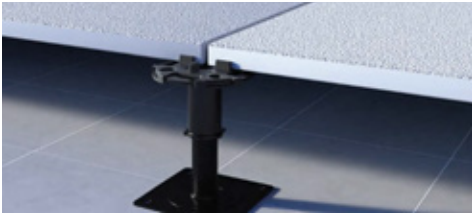
⅛" high × 4 ⅝" dia.



'INCENDIO' NON-COMBUSTIBLE PEDESTALS

Fire regulations in many cities are becoming increasingly strict, such that polypropylene paver supports can no longer be used in some locations. Archatrak Incendio steel pedestals are designed to overcome this problem.

The solid steel fireproof pedestals are capable of incremental height adjustment from as low as 1" to a maximum of 19 1/4". The 4" x 4" totally flat steel base distributes the load evenly over roofing membranes, but an optional 9" x 9" buffer pad can be supplied if required. A locking ring on the screwed column prevents any movement and ensures excellent stability.



BUILD 100% FIREPROOF DECKS



 Class A fire rated

| FRP GRATING

FRP grating panels have become an indispensable addition to our range of elevated decking products. They offer exceptional structural strength and flexibility, are available in large-format panels, and provide excellent slip resistance.

FRP APPLICATION EXAMPLES

- Break-through protection for pedestal supported decks
- Free draining base for synthetic turf on rooftop decks
- Support for small format pavers on elevated decks
- Support for elevated green-roof trays on rooftop decks
- Beach access walkways and boardwalks over sensitive terrain
- Bridge decking on pedestrian and bicycle paths
- Marina and pier decking





Porcelain paver installation using MacroMesh FRP grating support and rubber spacer pads.

We supply FRP grating in standard size panels of 4' x 8' with a gritted finish and dark grey color using Type 1 isophthalic resins, aluminum hydroxide filler and UV absorbers for maximum outdoor durability and fire resistance. Our panels are available in three mesh sizes to suit different applications. Other mesh sizes, panel sizes and colors can be supplied on request, depending on the order size.

FRP MESH SIZE OPTIONS

MacroMesh 1 ¼" openings

Commonly used for roof access walkways, industrial platforms, marina decking, green roof trays or paver break-through protection



MidiMesh ½" openings

Elevated public walkways and pedestrian access decking on docks, piers, boat lifts, pontoons, jetties and synthetic turf



MiniMesh ¼" openings

Recommended for creating 'people and pet friendly' walkways and high traffic elevated synthetic turf applications



FRP ACCESSORIES

C-Clips

For joining two molded grating panels



M-Clips

For fixing molded gratings to support structure



MACROMESH FRP GRATING



STREETDECK KITS

StreetDeck is a complete modular deck kit designed for quick and easy assembly of perfectly level, self-contained, curbside parklets. The basic kit includes a galvanized steel frame and support structure, connecting brackets, adjustable height pedestal supports, porcelain pavers or Ipe wood deck tiles, planters and railings. View our StreetDeck website at StreetDeck-Parklets.com



- Strong, self-contained steel frame
- Easy to assemble, disassemble, and store over off-season if necessary.
- Readily scalable in length and width
- Resistant to wear and tear
- Allows drainage & easy access underneath the deck
- Affordable and avoids the need for architectural design work





CREATE VIBRANT AND THRIVING
DOWNTOWNS BY TRANSFORMING
UNDERUTILIZED STREET SPACE INTO
BUSINESS AND COMMUNITY ASSETS.

LOCATION: SHAKOPEE, MN
SIZE: 6' X 32'
SURFACE: IPE STRUCTURAL TILES



PLUG IN
CHARGE UP

SEDI CONNECT
SOLAR BENCH

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SOLAR-POWERED PRODUCTS



The Archasol division of Archatrak supplies urban amenities equipped with solar cells, generating and storing energy from the sun for a more safe, sustainable, mobile and closely connected world. See the full range at archasol.com.

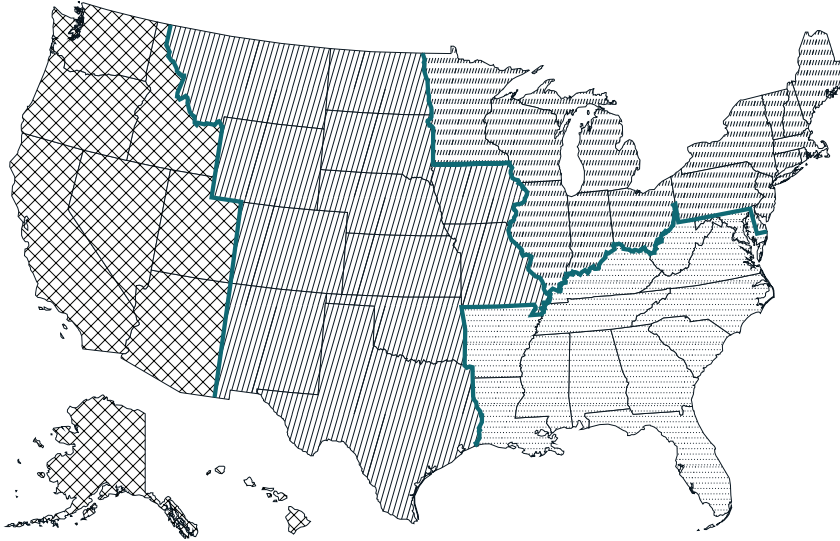


- Solar lit bollards for the most severe conditions and remote locations
- Motion activated pathway lights
- Compact sign light bars, 12", 24", 48" long
- Pole mounted phone charging stations
- Smart benches with charging for mobile devices, e-bikes and scooters
- Workstations and picnic tables with overhead lighting and charging outlets
- Umbrellas with LED lights and phone charging outlets



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PR0126



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